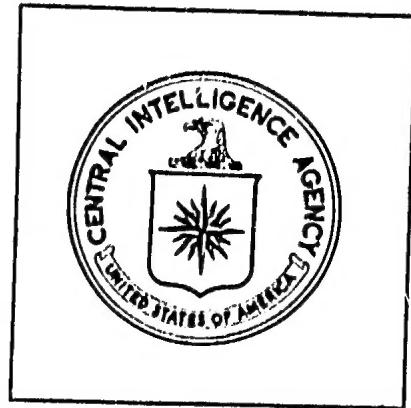


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*USSR: Distribution of Electric
Power Capacity, 1970-75*

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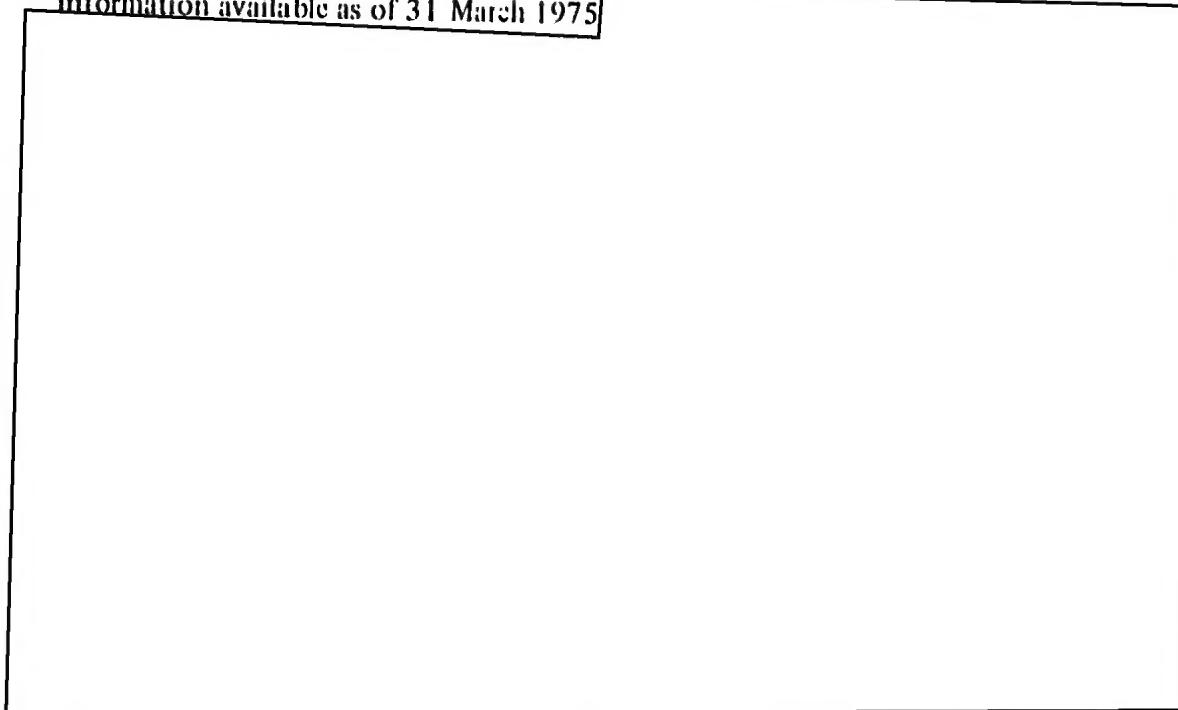
USSR: DISTRIBUTION OF ELECTRIC POWER CAPACITY 1970-75

FOREWORD

This research project lists all known Soviet electric powerplants of 24 megawatts (MW) and over and gives the estimated installed capacity of each plant at the end of each year from 1970 through 1975. The list is organized geographically by economic region, with a subdivision for each Union Republic, Oblast, Kray, or other regional division.

The capacity of individual powerplants was estimated on the basis of all information available as of 31 March 1975

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Note: This research project was prepared by the Resources Branch, USSR/Eastern Europe Division, Office of Economic Research, CIA, and has not been coordinated with other intelligence components. Comments and queries are welcomed. They may be directed to

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Estimates of total capacity, by region, were based primarily on information concerning capacity installed at large powerplants. However, the following factors were also taken into consideration: total new capacity installed in the USSR during the year; capacity at old powerplants taken out of service in the USSR during the year; information on new small generating units put into operation in remote areas; and new high voltage transmission lines for exchange of electric power between regions.

The list is presented in such a form that it can be revised and updated through 1980, as new information becomes available and as new capacity is put into operation. An index listing powerplants alphabetically by the official Soviet designation or by town name is also appended.

The following Soviet abbreviations are used to indicate the type of powerplant:

GRES - State regional thermal powerplant

TETs - Heat and powerplant

GES - Hydroelectric powerplant

AES - Nuclear powerplant

Capacity of Electric Powerplants in the USSR
Summary

Region	1970	1971	1972	Estimated Total Installed Capacity at End of Year (kW)				1973	1974	1975	1976	1977	1978
				1973	1974	1975	1976						
I. Northwest Economic Region													
A. Leningrad Power System	8,503	9,029	9,112	10,083	11,716	13,000	13,000						
B. Murmansk Oblast	4,168	4,464	4,514	4,875	5,980	7,355							
C. Karelian ASSR	2,000	1,990	2,158	2,573	3,031	3,020							
D. North Area	700	740	745	740	740	740	740						
II. West Economic Region													
A. Belorussian SSR	9,194	10,150	11,222	12,941	12,565	13,053							
B. Estonian SSR	3,676	4,110	4,463	4,987	5,425	5,670							
C. Latvian SSR	2,650	2,866	3,262	3,460	3,455	3,455							
D. Lithuanian SSR	1,154	1,151	1,150	1,149	1,340	1,385							
E. Kaliningrad Oblast	1,474	1,792	2,082	2,080	2,080	2,080	2,080						
III. South Economic Region													
A. Ukraine SSR	29,571	32,558	34,818	37,244	38,715	40,320							
B. Moldavian SSR	27,889	30,666	32,923	35,160	36,435	38,540							
IV. North Caucasus Economic Region													
A. Postov Power System	6,569	6,880	7,445	7,540	8,250	9,550							
B. All Other	2,584	2,860	3,160	3,160	3,320	3,320							
	3,985	4,020	4,285	4,380	4,930	6,230							

Capacity of Electric Power Plants in the USSR, 1970-1975
 (continued)

Region	1970	1971	1972	Estimated	Total	Installed Capacity at End of Year	1973	1974	1975	1976	1977	1978	1979	1980
V. Transcaucasus Economic Region	<u>6,512</u>	<u>7,429</u>	<u>7,919</u>	<u>7,885</u>	<u>8,135</u>	<u>8,435</u>								
A. Armenian SSR	1,707	2,122	2,257	2,270	2,470	2,720								
B. Azerbaijan SSR	2,741	2,840	2,910	2,890	2,940	2,990								
C. Georgian SSR	2,064	2,467	2,712	2,725	2,725	2,725								
VI. Volga Economic Region	<u>17,390</u>	<u>18,705</u>	<u>19,535</u>	<u>20,195</u>	<u>20,435</u>	<u>20,855</u>								
VII. Central Economic Region	<u>29,727</u>	<u>21,915</u>	<u>23,688</u>	<u>25,672</u>	<u>26,510</u>	<u>27,860</u>								
A. Central Region	15,526	16,299	17,629	19,592	20,450	21,630								
B. Volga-Vyatetsk Region	3,018	3,016	3,019	3,060	3,060	3,110								
C. Central-Black Earth Region	2,183	2,600	3,040	3,020	3,020	3,120								
VIII. Urals Economic Region	<u>17,700</u>	<u>16,945</u>	<u>17,850</u>	<u>17,955</u>	<u>19,170</u>	<u>19,560</u>								
IX. West Siberia Economic Region	<u>12,000</u>	<u>11,970</u>	<u>12,595</u>	<u>13,295</u>	<u>13,685</u>	<u>14,175</u>								
X. Central Asia	<u>15,988</u>	<u>16,795</u>	<u>18,115</u>	<u>19,615</u>	<u>20,941</u>	<u>23,095</u>								
A. Kazakhstan SSR	8,760	9,155	9,301	9,814	10,630	11,200								
B. Uzbek SSR	4,742	5,203	5,637	5,935	6,345	6,640								
C. Kirgiz SSR	952	935	1,015	1,015	1,015	1,015								
D. Tadzhik SSR	852	842	1,502	1,800	1,800	1,800								
E. Turkmen SSR	582	663	660	1,051	1,051	1,245								
XI. East Siberia Economic Region	<u>17,500</u>	<u>18,390</u>	<u>18,840</u>	<u>19,165</u>	<u>19,950</u>	<u>21,250</u>								
XII. Far East Economic Region	<u>4,500</u>	<u>4,590</u>	<u>4,900</u>	<u>4,970</u>	<u>5,140</u>	<u>5,975</u>								
TOTAL USSR	<u>166,154</u>	<u>175,365</u>	<u>186,239</u>	<u>195,560</u>	<u>205,112</u>	<u>217,730</u>								

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Summary	Estimated Capacity at End of Year (Mw)					
	1970	1971	1972	1973	1974	1975
A. Leningrad Power System (Leningrad, Novgorod and Pskov Oblasts)	4,168	4,464	4,514	4,875	5,980	7,355
B. Murmansk Oblast	2,000	1,990	2,159	2,573	3,031	3,020
C. Karelian ASSR	700	740	745	740	740	740
D. North Area (Arkhangelsk and Vologda Oblasts; Komi ASSR)	1,635	1,835	1,895	1,895	1,965	1,985
Total Capacity	<u>8,503</u>	<u>9,029</u>	<u>9,312</u>	<u>10,083</u>	<u>11,716</u>	<u>13,100</u>

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A. Leningrad Power System	Coordinates		Estimated Capacity at End of Year (Mw)									
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
1. Dabrovka GRES 8 Kirov	59-52	30-59	312	312	312	312	312	312	312	312	312	312
2. Enso GES Svetogorsk	61-06	28-51	100	100	100	100	100	100	100	100	100	100
3. Kirish GES 19	59-29	32-30	1,060	1,360	1,360	1,660	1,660	1,660	1,660	1,660	1,660	1,660
4. Kolpino TETS Izborat- Krytyshev	59-46	30-35	36	36	36	36	36	36	36	36	36	36
5. Leningrad TETS Bolshevik	59-51	30-29	24	24	24	24	24	24	24	24	24	24
6. Leningrad TETS 1	59-55	30-20	76	76	76	76	76	76	76	76	76	76
7. Leningrad TETS 2	59-56	30-23	146	146	146	146	146	146	146	146	146	146
8. Leningrad TETS 5 Krasny Oktiabr	59-52	30-29	111	111	111	111	111	111	111	111	111	111
9. Leningrad TETS 7	59-52	30-15	120	120	120	120	120	120	120	120	120	120
10. Leningrad TETS 14 Southwest	59-52	30-15	300	300	300	300	300	300	300	300	300	300
11. Leningrad TETS 15 Kirovskaya	59-52	31-17	125	125	125	125	125	125	125	125	125	125
12. Leningrad TETS 17-1M7	59-56	35-15	255	255	255	255	255	255	255	255	255	255
13. Leningrad Krasny Treugolnik TETS	59-54	30-17	48	48	48	48	48	48	48	48	48	48
14. Leningrad Severnaya TETS	60-05	30-28	-	-	-	-	-	-	-	-	-	-
15. Leningrad Yuzhnyaya TETS	-	-	-	-	-	-	-	-	-	-	-	-
16. Leningrad AES	59-51	29-03	-	-	-	-	-	-	-	1,000	2,000	-
17. Narva GES	59-22	28-12	125	125	125	125	125	125	125	125	125	125

I. Northwest Economic Region	Coordinates		Estimated Capacity at End of Year (Mw)								
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978
18. Nizhny Svir GES	60-48	33-42	109	109	109	109	109	109	109	109	109
19. Novgorod TETS 20	58-31	31-17	50	50	50	100	100	100	100	100	100
20. Pikalovo TETS	59-32	34-09	37	37	37	37	37	37	37	37	37
21. Raukhiala GES 10	61-04	28-52	108	108	108	108	108	108	108	108	108
22. Verkhne Svir GES 2	60-55	34-12	160	160	160	160	160	160	160	160	160
23. Volkov GES	59-55	32-20	66	66	66	66	66	66	66	66	66
Total in Plants											
24 Mw and over		3,368	3,668	3,718	4,118	5,129	5,129	5,129	5,129	5,129	5,623
Small Plants		800	756	756	757	757	757	757	757	757	727
Total Capacity —											
Leningrad Power System		<u>4,168</u>	<u>4,464</u>	<u>4,514</u>	<u>4,875</u>	<u>5,980</u>	<u>5,980</u>	<u>5,980</u>	<u>5,980</u>	<u>5,980</u>	<u>7,355</u>

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B.	Murmansk Oblast	Coordinates		Estimated Capacity at End of Year (M)									
		N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
1.	Borisoglebsk GES	69-39	30-08	58	58	58	58	58	58	58	58	58	58
2.	Iovskaya GES	66-40	31-20	80	80	80	80	80	80	80	80	80	80
3.	Kandalaksha Niva GES 1	67-23	32-33	26	26	26	26	26	26	26	26	26	26
4.	Kandalaksha Niva GES 2	67-17	32-27	60	60	60	60	60	60	60	60	60	60
5.	Kandalaksha Niva GES 3	67-11	32-25	150	150	150	150	150	150	150	150	150	150
6.	Khevoskorsk GES	69-10	29-10	45	45	45	45	45	45	45	45	45	45
7.	Kirovsk GRES	67-35	33-23	200	200	200	200	200	200	200	200	200	200
8.	Knyazhaquostkaya GES	66-52	32-20	128	128	128	128	128	128	128	128	128	128
9.	Kola AES	67-27	32-29	-	-	-	-	-	-	-	-	-	-
10.	Murmanск TETS	68-57	33-04	24	24	24	24	24	24	24	24	24	24
11.	Murmanск South TETS	68-56	33-05	-	-	-	-	-	-	-	-	-	-
12.	Murmashi Tulanskaya GES	68-49	32-49	48	48	48	48	48	48	48	48	48	48
13.	Nautsi Rayakoski GES	69-01	29-01	43	43	43	43	43	43	43	43	43	43
14.	Posta TETS	69-02	33-05	24	24	24	24	24	24	24	24	24	24
15.	Serebryansk GES 1	68-51	35-35	204	204	204	204	204	204	204	204	204	204
16.	Serebryansk GES 2	68-59	35-43	-	-	-	-	-	-	-	-	-	-

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I. Northwest Economic Region	Coordinates		Estimated Capacity at End of Year (Mw)							
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
17. Verkhne Tuloma GES	68-36	31-45	228	228	228	228	228	228	228	228
18. Yaniskoski GES	68-58	28-47	30	30	30	30	30	30	30	30
Total in Plants										
24 MW and over										
Small Plants										
Total Capacity —										
Muransk Oblast										
	<u>2,000</u>	<u>1,990</u>	<u>2,158</u>	<u>2,573</u>	<u>3,031</u>	<u>3,020</u>				

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C. Karelian ASSR	Coordinates		Estimated Capacity at End of Year (Mw)										
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
1. Belomorsk GES	64-30	34-42	27	27	27	27	27	27	27	27	27	27	27
2. Kondopoga GES	62-12	34-16	28	28	28	28	28	28	28	28	28	28	28
3. Kondopoga TETS	62-12	34-16	32	32	32	32	32	32	32	32	32	32	32
4. Kumskaya GES	65-21	31-07	83	83	83	83	83	83	83	83	83	83	83
5. Nekrochensk GES	64-25	34-29	60	60	60	60	60	60	60	60	60	60	60
6. Ondskaya GES	63-58	34-13	80	80	80	80	80	80	80	80	80	80	80
7. Palakorgorsk GES	64-17	34-25	30	30	30	30	30	30	30	30	30	30	30
8. Pitkyaranta TETS	61-34	31-29	24	24	24	24	24	24	24	24	24	24	24
9. Poduznetsk GES	64-56	34-07	-	48	48	48	48	48	48	48	48	48	48
10. Putkinsk GES	64-56	34-32	84	84	84	84	84	84	84	84	84	84	84
11. Segezha TETS	63-44	34-26	62	62	62	62	62	62	62	62	62	62	62
12. Vygostrotskaya GES	64-28	34-41	40	40	40	40	40	40	40	40	40	40	40
Total in Plants													
24 Mw and over		550	598	598	598	598	598	598	598	598	598	598	598
Small Plants		150	142	147	147	142	142	142	142	142	142	142	142
Total Capacity —		700	740	745	740	740	740	740	740	740	740	740	740
Karelian ASSR													

I. Northwest Economic Region	Coordinates		Estimated Capacity at End of Year (Mw)								
	N	S	1970	1971	1972	1973	1974	1975	1976	1977	1978
D. North Area (Arkhangel'sk, Komi, Vologda)											
1. Arkhangelsk Arkhangelsk TETS	64-26	40-50	24	24	24	24	24	24	24	24	24
2. Arkhangelsk TETS	54-34	40-34	60	120	120	120	120	120	120	120	120
3. Cherepovets 31.4. TETS	59-08	37-52	139	239	251	251	251	251	251	251	251
4. Cherepovets GES	59-15	38-28	40	40	40	40	40	40	40	40	40
5. Cherepovets GRES	59-13	37-12	—	—	—	—	—	—	—	—	—
6. Inta TETS	66-03	60-10	36	36	36	36	36	36	36	36	36
7. Kotlas TETS 1	61-18	47-05	73	73	73	73	73	73	73	73	73
8. Kotlas TETS 2	61-18	47-08	100	100	100	100	100	100	100	100	100
9. Severodvinsk TETS	64-35	39-52	100	100	100	100	100	100	100	100	100
10. Sokol TETS	59-27	40-09	51	51	51	51	51	51	51	51	51
11. Syktyvkar TETS	61-49	50-44	24	24	49	49	49	49	49	49	49
12. Uchta TETS 2	63-33	53-24	129	189	159	189	189	189	189	189	189
13. Vorkuta TETS 1	67-30	64-03	53	53	53	53	53	53	53	53	53
14. Vorkuta TETS 2	67-30	64-03	155	155	155	155	155	155	155	155	155
Total in Plants 24 Mw and over											
Small Plants											
Total Capacity — North Area											

II. West Economic Region	Estimated Capacity at End of Year (M)					
	1970	1971	1972	1973	1974	1975
Summary						
A. Belarusian SSR	3,676	4,110	4,463	4,987	5,425	5,670
B. Estonian SSR	2,650	2,866	3,262	3,460	3,455	3,455
C. Latvian SSR	1,154	1,151	1,150	1,149	1,340	1,585
D. Lithuanian SSR	1,474	1,782	2,092	2,080	2,080	2,080
E. Kaliningrad Oblast	240	250	265	265	265	265
Total Capacity	9,194	10,159	11,222	11,941	12,565	13,055

II. West Economic Region		Coordinates		Estimated Capacity at the End of Year			
		N	E	1970	1971	1972	1973
A. Belarusia							
1.	Berezovka GRES	52-28	25-11	920	920	920	920
2.	Bobruisk TETS 2	53-95	29-14	60	120	160	180
3.	Grodno TETS 2	53-40	23-56	120	120	120	120
4.	Lukoml' GRES	54-41	29-07	900	1,250	1,550	2,100
5.	Minsk TETS 2	53-53	27-35	50	50	50	50
6.	Minsk TETS 3	53-53	27-39	435	435	435	435
7.	Minsk TETS 4	53-53	27-24	-	-	-	-
8.	Mogilev TETS 1	53-53	30-18	24	24	24	24
9.	Mogilev TETS 2	53-55	30-22	110	160	160	210
10.	Mozyr' TETS	53-07	29-15	-	-	-	60
11.	Orekhovo Balgros	54-42	30-30	24	24	24	24
12.	Polotsk TETS 2	55-32	28-33	270	320	320	370
13.	Smolevichi GRES	54-06	28-21	48	48	48	48
14.	Vasilevichi GRES	52-37	29-45	322	322	322	322
15.	Vitebsk TETS	55-11	30-10	56	56	56	56
Total in Plants							
24 MW and over							
Small Plants		337	311	364	229	206	182
Total capacity —		<u>1,676</u>	<u>4,110</u>	<u>4,463</u>	<u>4,937</u>	<u>5,425</u>	<u>5,672</u>

Total in Plants
24 MW and over
Small Plants
Total capacity —
Belorussia

II. West Economic Region	Coordinates	Estimated Capacity at the End of Year					
		1970	1971	1972	1973	1974	1975
B. Estonia							
1. Aktnae TES	59-19	27-28	73	73	73	73	73
2. Estonian GES	59-16	27-54	800	1,000	1,400	1,600	1,600
3. Kohtla Järva TES	59-24	27-15	54	54	54	54	54
4. Narva Pribaltistaya GES	59-22	28-08	1,612	1,624	1,624	1,624	1,624
5. Tallin Municipal TES	59-27	24-45	49	49	49	49	49
Total in Plants							
24 Ward over	2,588	2,800	3,200	3,470	3,470	3,470	3,470
Small Plants		62	66	62	63	55	55
Total capacity — Estonia	2,650	2,866	3,262	3,462	3,455	3,455	3,455

C. <u>Latvia</u>	II. West Economic Region		Coordinates		Estimated Capacity at the End of Year (Mw)							
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
1. Kegums GES	56-44	24-43	68	68	68	68	68	68	68	68	68	68
2. Liepāja GRES	56-31	21-01	31	31	31	31	31	31	31	31	31	31
3. Pļavainisks GES	56-38	25-20	825	825	825	825	825	825	825	825	825	825
4. Riga GRES	56-58	24-06	35	35	35	35	35	35	35	35	35	35
5. Riga TETS	56-59	24-11	139	139	139	139	139	139	139	139	139	139
6. Riga TETS 2	56-58	24-10	-	-	-	-	-	-	-	-	-	60
7. Riga GES	56-52	24-15	-	-	-	-	-	-	192	324		
Total in Plants												
24 Mw and over			1,098	1,098	1,098	1,098	1,098	1,098	1,290	1,542		
Small Plants			56	53	52	51	50	50	43			
Total Capacity —			<u>1,154</u>	<u>1,151</u>	<u>1,150</u>	<u>1,149</u>	<u>1,140</u>	<u>1,140</u>	<u>1,585</u>			

II. West Economic Region		Coordinates		Estimated Capacity at the End of Year (Mw)										
		N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
D.	<u>Lithuania</u>													
1.	Kaunas Petrushumai TETS	54-53	23-59	49	49	49	49	49	49	49	49	49	49	49
2.	Kaunas GES	54-52	24-00	90	90	90	90	90	90	90	90	90	90	90
3.	Kaunas TETS	54-53	23-55	—	—	—	—	—	—	—	—	—	—	—
4.	Litovskaya GRES	54-45	24-49	1,200	1,500	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
5.	Vilnius TETS 2	54-40	25-14	50	50	50	50	50	50	50	50	50	50	50
Total in Plants														
24 Mw and over		1,389	1,689	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989
Small Plants		65	93	93	93	93	93	93	93	93	93	93	93	93
Total Capacity — Lithuania		<u>1,474</u>	<u>1,782</u>	<u>2,082</u>	<u>2,082</u>	<u>2,082</u>	<u>2,082</u>	<u>2,082</u>	<u>2,082</u>	<u>2,082</u>	<u>2,082</u>	<u>2,082</u>	<u>2,082</u>	<u>2,082</u>
E. Kaliningrad Oblast														
1.	Kaliningrad Gres 2 Svetlie	54-40	20-07	123	123	123	123	123	123	123	123	123	123	123
Small Plants														
Total Capacity — Kaliningrad Oblast		<u>240</u>	<u>250</u>	<u>265</u>	<u>265</u>	<u>265</u>	<u>265</u>	<u>265</u>	<u>265</u>	<u>265</u>	<u>265</u>	<u>265</u>	<u>265</u>	<u>265</u>

III. South Economic Region		1970		1971		1972		1973		1974		1975		1976		1977		1978		1979																					
<u>Summary</u>																																									
<u>Ukraine SSR</u>																																									
A.	Dnepr Power System	6,708	6,708	7,908	8,508	8,878	9,988																																		
B.	Donbas Power System	8,031	8,831	9,331	10,861	11,281	12,291																																		
C.	Kharkov Power System	2,882	2,882	2,882	2,882	2,882	2,882																																		
D.	Kiev-Center Area	3,662	5,562	6,317	6,474	6,969	6,987																																		
E.	South Area	681	581	681	681	681	681																																		
F.	West-Southwest Area	3,411	3,411	3,411	3,411	3,411	3,411																																		
Total in Plants 24 MW and over		25,375	28,075	30,530	32,817	34,102	36,240																																		
Small Plants		2,514	2,591	2,393	2,343	2,333	2,300																																		
Total Capacity -- Ukraine		27,889	30,666	32,923	35,160	36,435	38,540																																		
<u>Moldavia SSR</u>		1,682	1,892	1,895	2,084	2,280	2,280																																		
Total Capacity -- South Economic Region		29,571	32,558	34,818	37,244	38,715	40,820																																		

III. South Economic Region

A. <u>Ukraine SSR</u> <u>Dnepro Power System</u>	Coordinates		Estimated Capacity at the End of Year (Mw)										
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
1. Dnepro GES Lenin	47-52	35-05	651	651	651	651	651	651	651	651	651	651	651
2. Dnepro GES 2	47-52	35-05	-	-	-	-	-	-	310	620			
3. Dneprozerzhinsk GRES	48-32	34-37	200	290	200	200	200	200	200	200	200	200	200
4. Dneprozerzhinsk GES	48-32	34-38	352	352	352	352	352	352	352	352	352	352	352
5. Dneprozerzhinsk Fertilizer Plant TETs	48-30	34-37	100	100	100	100	100	100	100	100	100	100	100
6. Dnepropetrovsk TETs Petrovskiy	48-29	34-59	30	30	30	30	30	30	30	30	30	30	30
7. Kirovka GES	46-47	33-21	351	351	351	351	351	351	351	351	351	351	351
8. Krivoy Rog Metal. TETs 1	47-52	33-25	105	105	105	105	105	105	105	105	105	105	105
9. Krivoy Rog Metal. TETs 2	48-00	33-27	25	25	25	25	25	25	25	25	25	25	25
10. Krivoy Rog Metal. TETs 3	48-00	33-27	-	-	-	-	-	-	60	60	60	60	60
11. Krivoy Rog GRES Sokolovka	48-06	33-27	44	44	44	44	44	44	44	44	44	44	44
12. Krivoy Rog GRES 2	47-40	33-42	2,400	2,400	2,700	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
13. Pridneprovskaya GES	48-24	35-07	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
14. Zaporoze TETs Zapozhzhstal	47-52	35-09	50	50	50	50	50	50	50	50	50	50	50
15. Zaporoze GES	47-30	35-37	-	-	900	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
Total in Plants 24 Mw and over			6,708	6,708	7,908	8,508	8,508	8,508	8,508	8,508	8,508	8,508	8,508

III. South Economic Region	Ukraine SSR	Coordinates		Estimated Capacity at End of Year (Mw)									
		N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
B. Donbas Power System													
1. Donetsk TETS	48-00	37-48	25	25	25	25	25	25	25	25	25	25	25
2. Krivatorsk TETS	48-45	37-35	75	75	75	75	75	75	75	75	75	75	75
3. Kurskorka GRES	48-00	37-15	200	200	400	1,030	1,450	1,660					
4. Lisichansk TETS	48-56	38-28	74	74	74	74	74	74	74	74	74	74	74
5. Lisichansk TETS 2	48-56	38-28	150	150	150	150	150	150	150	150	150	150	150
6. Makarivka TETS Kirov	48-03	37-57	50	50	50	50	50	50	50	50	50	50	50
7. Mironovskaya GRES	48-29	38-15	500	500	500	500	500	500	500	500	500	500	500
8. Severodonetsk GRES	48-53	36-29	75	75	75	75	75	75	75	75	75	75	75
9. Severodonetsk TETS	48-57	38-28	296	296	296	296	296	296	296	296	296	296	296
10. Svitlovodsk GRES	48-06	38-53	178	178	178	178	178	178	178	178	178	178	178
11. Slavyansk GRES	48-53	37-38	1,360	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100
12. Starobeshevo GRES	47-45	38-03	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300
13. Uglegorsk GRES	48-27	39-15	-	-	-	-	307	1,200	1,200	1,200	1,200	1,200	1,200
14. Voroshilovgrad GRES	48-44	39-14	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200
15. Voroshilovgrad TETS	48-35	39-20	43	43	43	43	43	43	43	43	43	43	43
16. Voroshilovgrad TETS	48-23	38-46	30	30	30	30	30	30	30	30	30	30	30
17. Zhdanov TETS Azovstal	47-06	37-35	50	50	50	50	50	50	50	50	50	50	50
18. Zhdanov TETS Dnich	47-39	37-35	30	30	30	30	30	30	30	30	30	30	30
19. Zuyevka GRES	48-01	38-15	350	350	350	350	350	350	350	350	350	350	350
Total in Plants	8,031	8,831	9,231	10,861	11,291	12,291							
24 Mw and over													

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III. South Economic Region		Coordinates		Estimated Capacity at End of Year				
Ukraine SSR		N	E	1970	1971	1972	1973	1974
C. Kharkov Power System								
1. Kharkov GES 2	49-48	36-36		275	275	275	275	275
Chuguyev								
2. Kharkov TETS 3	49-58	36-18		155	155	155	155	155
3. Kharkov TETS 4	49-58	36-23		52	52	52	52	52
4. Kharkov TETS 5				-	-	-	-	-
5. Zaporozh GES	49-35	36-31		2,400	2,400	2,400	2,400	2,400
Total in Plants				<u>2,892</u>	<u>2,892</u>	<u>2,892</u>	<u>2,892</u>	<u>2,892</u>
1 MW and over								

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III. South Economic Region		Coordinates		Estimated Capacity at End of Year				
Ukraine SSR		N	E	1970	1971	1972	1973	1974
D.	Kiev-Center Area							
1.	Aleksandriya TETS	49-39	33-04	80	80	80	80	80
2.	Cherkassy TETS	49-26	32-01	240	240	240	240	240
3.	Chernigov Korsurovsk TETS	51-28	31-13	100	100	100	100	100
4.	Chernobyl Nuclear AES	51-23	30-04	-	-	-	-	-
5.	Kaniv GES	49-46	31-28	-	-	105	262	432
6.	Kiyev TETS 2	50-29	30-31	160	160	160	160	160
7.	Kiyev TETS 3	50-26	30-30	112	112	112	112	112
8.	Kiyev Barnitsa TETS 4	50-27	30-38	250	250	250	250	250
9.	Kiyev TETS 5	50-28	30-35	-	100	200	250	250
10.	Kiyev GES	50-27	30-32	370	370	370	370	370
11.	Kiyev Pump Storage	50-27	30-32	75	75	225	225	225
12.	Kremenchug TETS	49-04	33-25	150	150	250	250	250
13.	Kremenchug GES	49-04	33-55	625	625	625	625	625
14.	Ladyzhinsk GES	48-40	29-08	300	1,800	1,800	1,800	1,800
15.	Tripol'skaya GES	50-70	30-46	1,200	1,500	1,800	1,800	1,800
Total in Plants 24 MW and over		3,662	5,562	6,317	6,474	6,969	6,987	

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III. South Economic Region		Coordinates		Estimated Capacity at End of Year (Mw)						
				1970	1971	1972	1973	1974	1975	
E. South Area										
1.	Kerch GRES	45-17	36-25	100	100	100	100	100	100	100
2.	Kamysh Burun	46-40	32-39	100	100	100	100	100	100	100
3.	Rherson TETS	46-57	31-59	100	100	100	100	100	100	100
4.	Nikolayev TETS	46-31	30-44	37	37	37	37	37	37	37
5.	Odessa TETS 1	46-30	30-	200	200	200	200	200	200	200
6.	Odessa TETS 3	44-37	33-35	44	44	44	44	44	44	44
7.	Sevastopol GRES 1	45-00	34-03	100	100	100	100	100	100	100
Total in Plants 24 Mw and over		681	681	681	681	681	681	681	681	681

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III. South Economic Region	Ukraine SSR	Coordinates		Estimated Capacity at End of Year (Mw)							
		N	E	1970	1971	1972	1973	1974	1975	1976	1977
F. West-Southwest Area											
1. Burshtyn GRES	49-16	24-38	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
2. Dashaava TETS	49-15	24-01	24	24	24	24	24	24	24	24	24
3. Dobrolevor GRES	50-13	24-22	700	700	700	700	700	700	700	700	700
4. Kalush TETS	49-41	24-19	200	200	200	200	200	200	200	200	200
5. Lvov GRES	49-48	24-01	60	60	60	60	60	60	60	60	60
6. Ternobila Rikskaya GES	48-07	23-28	27	27	27	27	27	27	27	27	27
Total			<u>3,411</u>	<u>3,411</u>	<u>3,411</u>	<u>3,411</u>	<u>3,411</u>	<u>3,411</u>	<u>3,411</u>	<u>3,411</u>	<u>3,411</u>
Moldavia SSR											
1. Biletsy TETS	47-45	27-54	32	32	32	32	32	32	32	32	32
2. Dubossary GES	47-17	29-06	48	48	48	48	48	48	48	48	48
3. Kishinev TETS	47-02	28-51	60	60	60	60	60	60	60	60	60
4. Kishinev TETS 2			—	—	—	—	—	—	—	—	—
5. Moldavian GRES	46-37	29-56	1,400	1,600	1,600	1,800	1,800	1,800	1,800	1,800	1,800
Total in Plants 24 Mw and over			1,540	1,740	1,740	1,940	1,940	2,140	2,140	2,140	2,140
Small Plants			142	152	155	144	144	140	140	140	140
Total Capacity — Moldavia SSR			<u>1,682</u>	<u>1,892</u>	<u>1,895</u>	<u>2,084</u>	<u>2,084</u>	<u>2,280</u>	<u>2,280</u>	<u>2,280</u>	<u>2,280</u>

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IV. North Caucasus Economic Region		Estimated Capacity at End of Year (MW)										
		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
<u>Summary</u>												
A. Rostov Power System	2,584	2,860	3,160	3,160	3,160	3,320	3,320					
B. Other Power Systems	3,163	3,192	3,450	3,570	4,120	5,470						
Total in Plants 24 MW and over	5,747	6,052	6,610	6,710	7,440	8,790						
Small Plants	822	828	835	810	810	760						
Total Capacity -- North Caucasus	6,569	6,880	7,445	7,540	8,250	9,550						

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A. Rostov Power System	IV. North Caucasus Economic Region		Coordinates		Estimated Capacity at End of Year (Mw)						
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978
1. Kamensk TETs	48-19	40-15	112	124	124	124	124	124	124	124	124
2. Nesterov GRES	47-52	40-01	312	312	312	312	312	312	312	312	312
3. Novocherkassk GRES	47-28	40-10	1,800	2,100	2,400	2,400	2,400	2,400	2,400	2,400	2,400
4. Rostov TETs	47-13	39-44	30	30	30	30	30	30	30	30	30
5. Rostov TETs 2	47-13	39-44	-	-	-	-	-	-	-	160	160
6. Shakhty GRES Artem	47-46	40-18	90	90	90	90	90	90	90	90	90
7. Tsimlyansk GES	47-36	42-07	204	204	204	204	204	204	204	204	204
Total in Plants 24 Mw and over			<u>2,548</u>	<u>2,860</u>	<u>3,160</u>	<u>3,160</u>	<u>3,160</u>	<u>3,160</u>	<u>3,320</u>	<u>3,320</u>	<u>3,320</u>

IV. North Caucasus Economic Region	Coordinates		Estimated Capacity at End of Year (M)				1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
	N	E	1970	1971	1972	1973										
B. All Others																
1. Armavir TETS	45-00	41-08	24	24	24	24	24	24	24	24	24	24	24	24	24	24
2. Baksan GES	43-39	43-24	25	25	25	25	25	25	25	25	25	25	25	25	25	25
3. Belorechensk GES	44-48	39-48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
4. Chirkeysk GES	42-58	46-53	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. Chirlyurt GES 1 & 2	43-09	46-51	81	81	81	81	81	81	81	81	81	81	81	81	81	81
6. Ezmin GES Dzaudzhikau	42-51	44-38	45	45	45	45	45	45	45	45	45	45	45	45	45	45
7. Gizeldon GES	42-54	44-28	24	24	24	24	24	24	24	24	24	24	24	24	24	24
8. Grozny TETS Krautunem	43-18	45-40	62	62	62	62	62	62	62	62	62	62	62	62	62	62
9. Grozny TETS 2	43-16	45-38	307	307	307	307	307	307	307	307	307	307	307	307	307	307
10. Grozny TETS 3	43-20	45-42	100	100	100	100	100	100	100	100	100	100	100	100	100	100
11. Krasnaya Poljara GES	43-41	40-12	29	29	29	29	29	29	29	29	29	29	29	29	29	29
12. Krasnodar TETS	45-13	39-35	850	850	850	850	850	850	850	850	850	850	850	850	850	850
13. Krasnodar GES	45-01	38-59	45	45	45	45	45	45	45	45	45	45	45	45	45	45
14. Kurshava GES #1	44-16	42-28	40	40	40	40	40	40	40	40	40	40	40	40	40	40
15. Kurshava GES #2	44-20	42-30	184	184	184	184	184	184	184	184	184	184	184	184	184	184
16. Kuban GES #3	44-33	42-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Kuban GES #4	44-35	42-05	75	75	75	75	75	75	75	75	75	75	75	75	75	75
18. Nakhchatala TETS Kaspivsk	42-53	47-39	36	36	36	36	36	36	36	36	36	36	36	36	36	36

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IV. North Caucasus Economic Region	Coordinates		Estimated Capacity in End of Year				
	N	E	1970	1971	1972	1973	1974
19. Nevinnomyssk GRES	44-39	41-55	1,110	1,110	1,310	1,430	1,430
20. Novorossiysk GRES	44-43	37-47	24	24	24	24	24
21. Pyatigorsk TES	44-06	42-56	24	24	24	24	24
22. Stavropol GRES	45-03	41-58	-	-	-	-	300
23. Yegorylik GES	45-00	41-42	30	30	30	30	30
Total in Plants	<u>3,163</u>	<u>3,192</u>	<u>3,450</u>	<u>3,570</u>	<u>3,620</u>	<u>3,672</u>	
24. MW and over							

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Summary	1970			1971			1972			1973			Estimated Capacity at End of Year (1974)			Estimated Capacity at End of Year (1975)			Estimated Capacity at End of Year (1976)			Estimated Capacity at End of Year (1977)			Estimated Capacity at End of Year (1978)						
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	
A. Armenia SSR	1,707	2,122	2,297	2,270	2,470	2,720																									
B. Azerbaijan SSR	2,741	2,840	2,910	2,890	2,940	2,990																									
C. Georgia SSR	2,064	2,467	2,712	2,725	2,725	2,725																									
Total Capacity --																															
Transcaucasus Economic Region	6,512	7,429	7,919	7,895	8,125	8,435																									

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V. Transcaucasus Economic Region	Coordinates		Estimated Capacity at End of Year (MW)									
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A. Armenia SSR												
1. Armenian AES	40-10	44-09	-	-	-	-	-	-	-	-	-	-
2. Arzni GES	40-17	44-35	70	70	70	70	70	70	70	70	70	70
3. Atabekyan GES	40-32	44-46	82	82	82	82	82	82	82	82	82	82
4. Dzora GES	40-57	44-38	25	25	25	25	25	25	25	25	25	25
5. Gyunash GES	40-23	44-37	224	224	224	224	224	224	224	224	224	224
6. Kanaker GES	40-13	44-31	102	102	102	102	102	102	102	102	102	102
7. Kirovakan TETS	40-48	44-30	49	49	49	49	49	49	49	49	49	49
8. Ozernaya Sevan GES	40-33	44-58	34	34	34	34	34	34	34	34	34	34
9. Razzdan TETS	40-31	44-46	300	300	300	300	300	300	300	300	300	300
10. Razzian GRES	44-34	44-45	-	400	600	600	600	600	600	600	600	600
11. Shantskaya GES	39-28	46-10	-	-	-	-	-	-	-	-	-	-
12. Tatev GES	39-26	46-22	157	157	157	157	157	157	157	157	157	157
13. Yerevan GES	40-12	44-30	44	44	44	44	44	44	44	44	44	44
14. Yerevan TETS	40-11	44-31	550	550	550	550	550	550	550	550	550	550

Total in Plants
24 MW and over
Small Plants
Total Capacity --
Armenia SSR

1,637	2,037	2,237	2,237	2,437	2,687
70	65	60	33	33	33
<u>1,707</u>	<u>2,122</u>	<u>2,297</u>	<u>2,272</u>	<u>2,572</u>	<u>2,720</u>

V. Transcaucasus Economic Region		Coordinates		Estimated Capacity/ 15. Sept. 1970 (MW)				Estimated Capacity/ 15. Sept. 1973 (MW)			
B.	Azerbaijan SSR	N	E	1970	1971	1972	1973	1970	1971	1972	1973
1.	Ali Bayramly GES	39-56	48-54	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080
2.	Araks GES Nakhchivan	39-33	47-37	-	22	22	22	22	22	22	22
3.	Azerbaijan GES	40-46	47-02	-	-	-	-	-	-	-	-
4.	Baku Krasnaya Zvezda TES 1	40-22	49-55	109	109	109	109	109	109	109	109
5.	Baku Krassin GES	40-20	49-51	92	92	92	92	92	92	92	92
6.	Baku Novo Bakinskij TES 2	40-25	49-50	36	36	36	36	36	36	36	36
7.	Baku Severnaya GRES	40-23	49-52	318	318	318	318	318	318	318	318
8.	Kirovabad TES	40-41	46-22	100	100	100	100	100	100	100	100
9.	Shingectaur GES	40-47	47-02	359	359	359	359	359	359	359	359
10.	Reftxanye Kamli TES	40-15	50-51	30	30	30	30	30	30	30	30
11.	Sungait TES 1	40-36	49-38	450	450	450	450	450	450	450	450
12.	Sungait TES 2	40-36	49-38	100	160	220	220	220	220	220	220
13.	Tertcer GES	40-23	47-09	-	-	-	-	-	-	-	-
Total in Plants											
22 MW and over				2,674	2,755	2,816	2,815	2,866	2,916		
Small Plants				67	84	94	74	74	74		
Total Capacity —				2,741	2,840	2,912	2,892	2,940	2,957		
Azerbaijan SSR											

C. <u>Georgia SSR</u>	V. Transcaucasus Economic Region		Coordinates		Estimated Capacity at End of Year (M)				
	N	E	1970	1971	1972	1973	1974	1975	1976
1. Gurati GES 1	42-18	42-42	44	44	44	44	44	44	44
2. Gurati GES 2	42-20	42-45	23	23	23	23	23	23	23
3. Ingori GES	42-47	42-02	-	-	-	-	-	-	-
4. Ladihanur GES	42-40	42-46	112	112	112	112	112	112	112
5. Perepadzaya GES 1	42-39	41-35	-	220	220	220	220	220	220
6. Perepadzaya GES 2	42-38	41-33	-	20	40	40	40	40	40
7. Perepadzaya GES 3	42-38	41-32	-	-	40	40	40	40	40
8. Perepadzaya GES 4	42-37	41-30	-	-	20	50	50	50	50
9. Rioni GES	42-12	42-44	48	48	48	48	48	48	48
10. Rustavi TETS	41-32	45-02	150	150	150	150	150	150	150
11. Shaori GES	42-16	42-42	38	38	38	38	38	38	38
12. Salkumi GES	43-00	41-02	20	20	20	20	20	20	20
13. Tbilisi GES	41-28	42-05	960	1,120	1,280	1,280	1,280	1,280	1,280
14. Tkibuli GES	42-22	42-59	80	80	80	80	80	80	80
15. Tkvarcheli Shakta GES	42-50	41-44	28	28	28	28	28	28	28
16. Tkvarcheli GES	42-50	41-41	125	125	125	125	125	125	125
17. Tsalka Khran GES 1	41-33	44-07	113	113	113	113	113	113	113

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V. Transcaucasus Economic Region	Coordinates		Estimated Capacity at End of Year (MW)									
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
18. Tsalka Khran GES 2	41-32	44-15	110	110	110	110	110	110	110	110	110	110
19. Vartsikh GES #1			-	-	-	-	-	-	-	-	-	-
20. Zemo Ardzala GES	41-50	44-46	36	36	36	36	36	36	36	36	36	36
21. Zhinvali GES			-	-	-	-	-	-	-	-	-	-
Total in Plants			1,887	2,237	2,527	2,547	2,547	2,547	2,547	2,547	2,547	2,547
24 MW and over												
Small Plants			177	180	185	188	188	188	188	188	188	188
Total Capacity -			<u>2,064</u>	<u>2,467</u>	<u>2,712</u>	<u>2,725</u>						
Georgia SSR												

VI. Volga Economic Region	Estimated Capacity at End of Year (MW)					
	1970	1971	1972	1973	1974	1975
<u>Summary</u>						
A. Bashkir ASSR	3,247	3,647	3,947	4,247	4,247	4,482
B. Kuybyshev Oblast	3,951	4,251	4,251	4,251	4,251	4,251
C. Saratov Oblast	2,150	2,195	2,195	2,195	2,195	2,195
D. Tatar ASSR	2,742	3,202	3,562	3,822	3,922	4,022
E. Volgograd Oblast	3,617	3,717	3,817	3,867	4,002	4,102
F. Others (Astrakhan, Penza, Ulyanovsk Oblj)	473	473	533	633	633	633
Total in Plants 24 MW and over	16,180	17,485	18,305	19,015	19,257	19,685
Small Plants	1,210	1,220	1,230	1,180	1,135	1,170
Total Capacity -- Volga Economic Region	<u>17,390</u>	<u>18,705</u>	<u>19,535</u>	<u>20,195</u>	<u>20,435</u>	<u>20,855</u>

VI. Volga Economic Region	Coordinates		Estimated Capacity at End of Year (MW)							
	N	E	1970	1971	1972	1973	1974	1975	1976	1977
A. Bashkir ASSR										
1. Ramenskoe GRES	56-15	54-35	900	1,230	1,500	1,800	1,900	1,900	1,900	1,900
2. Kurnatau TETS	52-47	55-47	197	197	197	197	197	197	197	197
3. Novo Salavat TETS	53-21	55-55	200	300	300	300	300	300	300	300
4. Pavlovsk Jfa GES	55-24	56-34	166	166	166	166	166	166	166	166
5. Salavat TETS	52-23	55-45	354	354	354	354	354	354	354	354
6. Sterlitamak TETS 1	53-38	55-57	511	511	511	511	511	511	511	511
7. Sterlitamak TETS 2	53-38	55-57	-	-	-	-	-	-	-	100
8. Ufa TETS 1	54-44	55-56	82	82	92	92	92	92	92	92
9. Ufa TETS 2	54-50	56-05	258	258	258	258	258	258	258	258
10. Ufa TETS 3	54-51	56-03	139	139	139	139	139	139	139	139
11. Ufa TETS 4	54-55	56-04	440	440	440	440	440	440	440	440
Total in Plants 24 MW and over			<u>3,247</u>	<u>3,647</u>	<u>3,947</u>	<u>4,247</u>	<u>4,247</u>	<u>4,492</u>		

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VI. Volga Economic Region	Coordinates		Estimated Capacity at End of Year (Mw)							
	N	E	1970	1971	1972	1973	1974	1975	1976	1977
B. Kuybyshev Oblast										
1. Kuybyshev TETS Berizimanka	53-12	50-06	150	150	150	150	150	150	150	150
2. Kuybyshev GRES	53-12	50-06	52	52	52	52	52	52	52	52
3. Novo Kuybyshev TETS 1	53-07	49-56	255	255	255	255	255	255	255	255
4. Novo Kuybyshev TETS 2	53-07	49-56	400	500	500	500	500	500	500	500
5. Syzran TETS	53-04	48-24	74	74	74	74	74	74	74	74
6. Tolyatti TETS 1	53-33	49-27	400	400	400	400	400	400	400	400
7. Tolyatti TETS 2	53-31	49-20	320	520	520	520	520	520	520	520
8. Volga GES im Lenin	53-26	49-29	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300
Total in Plants 24 MW and over			<u>3,951</u>	<u>4,251</u>						

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VI. Volga Economic Region	Coordinates	Estimated Capacity in MW Year On								
		1970	1971	1972	1973	1974	1975	1976	1977	1978
<u>C. Saratov Oblast</u>										
1. Balakovo TETS 4	51-59 47-47	300	300	300	300	300	300	300	300	300
2. Engels TETS 3	51-28 46-55	100	100	100	100	100	100	100	100	100
3. Saratov GES	51-31 46-92	73	73	73	73	73	73	73	73	73
4. Saratov TETS 1	51-30 45-58	37	37	37	37	37	37	37	37	37
5. Saratov TETS 2	51-27 45-55	300	300	300	300	300	300	300	300	300
6. Saratov TETS Krasnodar	51-27 45-57	25	25	25	25	25	25	25	25	25
7. Saratov TETS 5		-	-	-	-	-	-	-	-	-
8. Saratov GES	52-03 47-48	1,315	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360
Total in Plants		<u>2,150</u>	<u>2,195</u>							
24 MW and over										

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D.	Tatar ASSR	Coordinates		Estimated Capacity at End of Year (Mw)									
		N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
1.	Kara Vehicle TETS	55-42	52-30	-	-	-	-	120	220	220	320		
2.	Kazan TETS 1	55-45	49-08	80	80	80	80	80	80	80	80	80	
3.	Kazan TETS 2	55-51	49-04	125	325	325	325	325	325	325	325	325	
4.	Kazan TETS 3	55-52	48-57	-	60	120	260	260	260	260	260	260	
5.	Nizhne Kama TETS	55-36	51-47	300	300	400	400	400	400	400	400	400	
6.	Urussy GRES	54-36	53-23	237	237	237	237	237	237	237	237	237	
7.	Zainsk GRES	55-17	52-02	1,800	2,200	2,400	2,400	2,400	2,400	2,400	2,400	2,400	
Total in Plants 24 Mw and over				<u>2,742</u>	<u>3,202</u>	<u>3,562</u>	<u>3,822</u>	<u>3,922</u>	<u>4,022</u>				

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VI. Volga Economic Region		Coordinates		Estimated Capacity at End of Year (MW)										
		N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	Total
E. Volgograd Oblast														
1. Kamyshev TERS	50-07	45-24		136	136	136	136	136	136	136	136	136	136	
2. Volgograd GRES	48-34	44-27		290	290	290	340	340	340	340	340	340	340	
3. Volgograd TETS 2	48-31	44-36		400	400	400	400	400	400	400	400	400	400	
4. Volgograd TETS 3				—	—	—	—	—	—	—	—	—	100	
5. Volga GES im. 22nd Party Cong.	48-50	44-40		2,541	2,541	2,541	2,541	2,541	2,541	2,541	2,541	2,541	2,541	
6. Volzhsk TERS	48-49	44-44		250	350	450	450	450	585	585	585	585	585	
Total in Plants 24 MW and over				3,617	3,717	3,817	3,867	3,867	4,002	4,102				
F. Others (Astrakhan, Penza, Ulyanovsk Oblasts)														
1. Astrakhan GRES	46-23	48-05		140	140	140	140	140	140	140	140	140	140	
2. Melekesse AES	54-13	49-36		50	50	50	50	50	50	50	50	50	50	
3. Penza Municipal TERS	53-13	45-01		87	87	87	87	87	87	87	87	87	87	
4. Penza TERS 1	53-10	45-01		124	124	124	124	124	124	124	124	124	124	
5. Penza TERS 2	53-09	45-01		24	24	24	24	24	24	24	24	24	24	
6. Ulyanovsk TETS 1	54-19	48-22		48	48	48	48	48	48	48	48	48	48	
7. Ulyanovsk TETS 2	54-20	48-24		—	—	—	60	60	160	160	160	160	160	
Total in Plants 24 MW and over				473	473	533	633	633	633	633	633	633	633	

VII. Central Economic Region		Estimated Capacity at End of Year (M)											
		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	
	<u>Summary</u>												
A.	Central Region	15,526	16,299	17,629	19,592	20,430	21,630						
B.	Volga-Vyatsk Region	3,018	3,016	3,019	3,060	3,060	3,110						
C.	Central-Black Earth Region	2,183	2,600	3,040	3,020	3,020	3,120						
Total --													
	Central Economic Region	20,727	21,915	23,688	25,672	26,510	27,860						

VII. Central Economic Region	Coordinates		Estimated Capacity at End of Year (kW)				
	N	E	1970	1971	1972	1973	1974
A. Central Region							
a. Moscow Power System*							
1. Moscow TERS 1 Smolensk	55-45	37-38	110	110	110	110	110
2. Moscow TERS 2 Tramnaymaya	55-45	37-37	35	35	35	35	35
3. Moscow TERS 8	55-43	37-42	25	25	25	25	25
4. Moscow TERS 9 VTI	55-42	37-39	250	250	250	250	250
5. Moscow TERS 11	55-45	37-44	300	300	300	300	300
6. Moscow TERS 12 Frunze	55-44	37-34	312	312	312	312	312
7. Moscow TERS 16 Leningrad	55-47	37-30	300	300	300	300	300
8. Moscow TERS 20 Kaluzhskaya	55-42	37-35	660	680	680	680	680
9. Moscow TERS 21 Novotriksk	55-50	37-30	600	600	600	600	600
10. Moscow TERS 22 Lyubertsy	55-41	37-54	500	750	1,000	1,250	1,250
11. Moscow TERS 23 Izmailov	55-49	37-46	400	400	400	400	400
12. Moscow TERS 25 Runtsevo	55-44	37-26	-	-	-	-	-
13. Moscow TERS 26	55-42	37-39	75	75	75	75	75
14. Moscow Shchuchinskaya GES	55-50	37-26	29	29	29	29	29

* Includes Moscow, Ryazan and Tula Oblasts.

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A. <u>Central Region</u>	Central Economic Region		Coordinates		Estimated Capacity at End of Year (Mw)							
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
<u>a. Moscow Power System*</u>												
15. Aleksein TETS 15	54-30	37-02	150	150	150	150	150	150	150	150	150	150
16. Cherepet GES 19	54-08	36-30	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
17. Dragilev TETS	54-39	39-37	-	-	-	-	-	-	-	-	-	60
18. Ivankovo GES	56-44	37-07	30	30	30	30	30	30	30	30	30	30
19. Kashira GES 4	54-51	38-15	1,178	1,178	1,178	1,178	1,178	1,178	1,178	1,178	1,178	1,178
20. Klasson GES 3	55-53	38-47	71	71	71	71	71	71	71	71	71	71
21. Klin TETS	56-20	36-43	30	30	30	30	30	30	30	30	30	30
22. Novoroskovsk GES 10	54-05	38-14	435	435	435	435	435	435	435	435	435	435
23. Novo Ryazan TETS	54-34	39-45	400	400	400	400	400	400	400	400	400	400
24. Orelkovo Zuyovo TETS 6	55-48	39-01	50	50	50	50	50	50	50	50	50	50
25. Ramenskoye Tsagi TETS	55-36	38-03	100	100	100	100	100	100	100	100	100	100
26. Ryazan GES	54-03	39-49	-	-	-	-	-	-	-	-	-	-
27. Rybinsk GES	58-05	36-49	330	330	330	330	330	330	330	330	330	330
28. Shatsk Gas Turbine Plant	54-02	41-43	24	24	24	24	24	24	24	24	24	24
29. Shatura GES 5	55-35	39-34	1,32	1,32	1,32	1,32	1,32	1,32	1,32	1,32	1,32	1,32
30. Shchelkino GES 18	53-57	37-39	1,040	1,040	1,040	1,040	1,040	1,040	1,040	1,040	1,040	1,040

* Includes Moscow, Ryazan and Tula Oblasts.

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VII. Central Economic Region	Coordinates		Estimated Capacity at End of Year (Mw)									
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A. Central Region												
a. Moscow Power System*												
31. Shchokino TERS	54-01	37-31	120	120	120	120	120	120	120	120	120	120
32. Stepanov TERS 17	54-31	38-10	275	275	275	275	275	275	275	275	275	275
33. Tula TERS	54-09	37-43	50	50	50	50	50	50	50	50	50	50
34. Uglich GES	57-31	38-18	110	110	110	110	110	110	110	110	110	110
35. Vladimir TERS 2	56-10	40-25	133	133	233	333	333	333	333	333	333	333
Total — Mos. — ^a	9,754	10,224	10,874	12,424	13,274	14,134						
Power System —												
Plants 24 Mw and over												

* Includes Moscow, Ryazan and Tula Oblasts.

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A. Central Region	Coordinates		Estimated Capacity at End of Year (Mw)										
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
b. Others*													
1. Bezhitsa TETS	53-18	34-20	44	44	44	44	44	44	44	44	44	44	44
2. Bryansk GRES Belyye Berega	53-13	34-40	82	82	82	82	82	82	82	82	82	82	82
3. Donskobazh GRES	54-59	33-23	200	200	200	200	200	200	200	200	200	200	200
4. Ivanovo GRES	57-01	40-23	134	134	134	134	134	134	134	134	134	134	134
5. Ivanovo TETS 2	57-00	41-00	150	150	150	150	150	150	150	150	150	150	150
6. Kalinin TETS 3	56-54	35-55	-	-	-	-	-	-	-	-	-	-	-
7. Kalinin TETS 4	56-51	35-58	100	100	100	100	100	100	100	100	100	100	100
8. Konakovo GRES	56-42	36-46	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
9. Kostroma GRES	57-28	41-10	1,200	1,500	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100
10. Kostroma TETS	57-47	40-55	-	-	-	-	-	-	-	-	-	-	-
11. Orel TETS	52-59	36-06	32	32	32	32	32	32	32	32	32	32	32
12. Smolensk TETS 2	54-48	32-03	-	-	-	-	-	-	-	-	-	-	-
13. Smolensk GRES	55-12	32-25	-	-	-	-	-	-	-	-	-	-	-
14. Yaroslavl Yarak TETS 1	57-39	39-53	250	250	250	250	250	250	250	250	250	250	250
15. Yaroslavl TETS 2	57-39	39-50	150	150	150	150	150	150	150	150	150	150	150
16. Yaroslavl TETS 3	57-33	39-46	320	320	320	320	320	320	320	320	320	320	320
17. Yaroslavl Municipal GRES	57-37	39-57	36	36	36	36	36	36	36	36	36	36	36
Total — Others — Plants 24 Mw and over			5,098	5,398	6,058	6,518	6,518	6,518	6,518	6,518	6,518	6,518	6,518

* Includes Bryansk, Ivanovo, Kalinin, Kaluga, Kostroma, Orel, Smolensk, Vladimir, and Yaroslavl Oblasts.

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VII. Central Economic Region	Coordinates		Estimated Capacity at End of Year (MW)					
	1970	1971	1972	1973	1974	1975	1976	1977
<u>A. Central Region</u>								
Total in Plants	14,952	15,622	16,932	18,942	19,792	21,012		
24 MW and over								
Small Plants	674	677	697	650	638	613		
Total Capacity —								
Central Region	<u>15,526</u>	<u>16,299</u>	<u>17,629</u>	<u>19,592</u>	<u>20,430</u>	<u>21,630</u>		

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	I. Central Economic Region		Estimated Capacity at End of Year 040										
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
B. Volga-Vyatka Region													
1. Chelobtary TETs	56-09	47-15	24	24	24	24	24	24	24	24	24	24	24
2. Chelobtary GES			-	-	-	-	-	-	-	-	-	-	-
3. Dzerzhinsk TETs Igumovo	56-15	43-37	200	200	200	200	200	200	200	200	200	200	200
4. Dzerzhinsk TETs	56-14	43-31	100	100	100	100	100	100	100	100	100	100	100
5. Gorkiy TETs GAZ	56-15	43-54	149	149	149	149	149	149	149	149	149	149	149
6. Gorkiy Novogorodiy TETs	56-10	44-10	240	240	240	240	240	240	240	240	240	240	240
7. Gorkiy GRES Balaklava	56-30	43-35	459	459	459	459	459	459	459	459	459	459	459
8. Gorkovskaya GES	56-39	43-23	520	520	520	520	520	520	520	520	520	520	520
9. Kirov TETs 3 Cherepovets	58-34	50-00	198	198	198	198	198	198	198	198	198	198	198
10. Kirov TETs 4	58-37	49-26	339	339	339	339	339	339	339	339	339	339	339
11. Novo Chelobtary TETs 2	56-45	47-31	200	200	200	200	200	200	200	200	200	200	200
12. Saransk TETs 2	54-11	45-12	200	200	200	200	200	200	200	200	200	200	200
13. Sarova TETs	54-55	43-20	42	42	42	42	42	42	42	42	42	42	42
14. Sosnovsk TETs	56-22	43-50	-	-	-	-	-	-	50	50	50	50	50
Total in Plants													
24 MW and over													
Small Plants													
Total Capacity —													
Volga-Vyatka Region													
	<u>3,018</u>	<u>3,016</u>	<u>3,019</u>	<u>3,060</u>									

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VIII. Central Economic Region

C. Central-Black Earth Region	Coordinates		Estimated Capacity at End of Year (MW)									
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
1. Oktin TES	51-17	37-32	48	48	43	48	48	48	48	48	48	48
2. Kotovsk GRES	52-36	41-31	48	48	48	48	48	48	48	48	48	48
3. Kursk TES 1	51-39	36-08	207	207	207	207	207	207	207	207	207	207
4. Kursk AES	51-39	35-36	-	-	-	-	-	-	-	-	-	-
5. Lipetsk TES	52-33	39-36	224	224	224	224	224	224	224	224	224	224
6. Novo Lipetsk TES	52-33	39-36	-	-	-	-	-	-	-	-	-	100
7. Novo Voronezh AES	51-18	39-13	575	1,015	1,455	1,455	1,455	1,455	1,455	1,455	1,455	1,455
8. Tarnov TES	52-45	41-28	150	150	150	150	150	150	150	150	150	150
9. Voronezh TES 1	51-38	39-14	195	195	195	195	195	195	195	195	195	195
10. Voronezh TES 2	51-41	39-09	100	100	100	100	100	100	100	100	100	100
Total in Plants												
24 MW and over		1,547	1,987	2,427	2,427	2,427	2,427	2,427	2,427	2,427	2,427	2,527
Small Plants		636	613	613	593	593	593	593	593	593	593	593
Total Capacity —												
Central-Black Earth Region		<u>2,183</u>	<u>2,600</u>	<u>3,049</u>	<u>3,029</u>	<u>3,120</u>						

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VIII. Urals Economic Region

	Estimated Capacity at End of Year (MW)					
	1970	1971	1972	1973	1974	1975
<u>Summary</u>						
A. Chelyabinsk Oblast	4,321	4,321	4,321	4,321	4,321	4,321
B. Orenburg Oblast	1,223	1,523	2,173	2,283	2,703	2,703
C. Perm Oblast	2,184	2,396	2,396	2,396	2,396	2,395
D. Sverdlovsk Oblast	5,791	6,391	6,691	6,691	6,951	7,391
E. Udmurt Oblast	1,166	1,166	1,166	1,166	1,166	1,166
F. Kurgan Oblast	275	275	275	275	275	275
Total in Plants 24 MW and over	14,960	16,072	17,022	17,132	18,352	18,752
Small Plants	2,740	873	828	823	818	803
Total Capacity -- Urals Region	<u>17,700</u>	<u>16,945</u>	<u>17,850</u>	<u>17,955</u>	<u>19,170</u>	<u>19,560</u>

VIII. Urals Region	Coordinates		Estimated Capacity at End of Year (Mw)									
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
A. Chelyabinsk Oblast												
1. Argayash TERS	55-39	60-46	250	250	250	250	250	250	250	250	250	250
2. Chelyabinsk GRES	55-12	61-24	132	132	132	132	132	132	132	132	132	132
3. Chelyabinsk TERS 1 Balal	55-15	61-27	200	200	200	200	200	200	200	200	200	200
4. Chelyabinsk TERS 1	55-08	61-29	329	329	329	329	329	329	329	329	329	329
5. Chelyabinsk TERS 2	55-09	61-29	400	400	400	400	400	400	400	400	400	400
6. Magnitogorsk TERS 1	53-26	59-02	223	223	223	223	223	223	223	223	223	223
7. Magnitogorsk TERS 3	53-24	59-02	250	250	250	250	250	250	250	250	250	250
8. Troitsk GRES	54-06	61-34	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
9. Yuryuzan GRES	54-51	58-26	37	37	37	37	37	37	37	37	37	37
10. Yuzhno-Uralsk GRES	54-27	61-15	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Total in Plants 24 Mw and over												
	<u>4,321</u>	<u>4,321</u>	<u>4,321</u>	<u>4,321</u>	<u>4,321</u>	<u>4,321</u>	<u>4,321</u>	<u>4,321</u>	<u>4,321</u>	<u>4,321</u>	<u>4,321</u>	<u>4,321</u>

VIII. Urals Region	Coordinates		Estimated Capacity at End of Year (Mw)									
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
B. Orenburg Oblast												
1. Irklinsk TES	51-45	58-48	600	900	1,500	1,500	1,800	1,800				
2. Irklinsk GES	51-41	58-38	30	30	30	30	30	30	30	30	30	
3. Kargalinsk TES	51-57	55-11	-	-	-	-	60	180	180			
4. Orsk TES 1	51-15	58-31	375	375	375	375	375	375	375	375	375	
5. Orsk TES Novo Troitsk	51-13	58-22	98	98	98	98	98	98	98	98	98	
6. Samara TES	51-50	55-05	120	120	170	170	220	220	220	220	220	
Total in Plants 24 Mw and over			<u>1,223</u>	<u>1,523</u>	<u>2,173</u>	<u>2,283</u>	<u>2,703</u>	<u>2,703</u>				

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C. <u>Perm Oblast</u>	Coordinates		Estimated Capacity at End of Year (MW)									
	<u>N</u>	<u>E</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>
1. Berezniki TETS 2	59-23	56-53	173	185	185	185	185	185	185	185	185	185
2. Berezniki TETS 4	59-24	56-44	117	117	117	117	117	117	117	117	117	117
3. Chaykovskiy TETS	58-08	55-31	-	-	-	-	-	-	-	-	-	-
4. Kara GES	58-07	56-20	504	504	504	504	504	504	504	504	504	504
5. Kizel GES	58-52	57-33	117	117	117	117	117	117	117	117	117	117
6. Perm TETS 9	57-56	56-09	220	220	220	220	220	220	220	220	220	220
7. Perm TETS 14	58-01	55-53	150	150	150	150	150	150	150	150	150	150
8. Slirokovskaya GES	58-50	57-40	28	28	28	29	29	29	29	29	29	29
9. Solikarsk TETS 11	59-49	56-40	100	300	300	300	300	300	300	300	300	300
10. Yaya GES	59-20	57-15	500	600	600	600	600	600	600	600	600	600
11. Zakamsk TETS 5	58-07	57-44	175	175	175	175	175	175	175	175	175	175
Total in Plants			<u>2,184</u>	<u>2,396</u>								
24 MW and over												

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I. Urals Economic Region

D. Sverdlovsk Oblast	Coordinates		Estimated Capacity at End of Year (Mw)								
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978
1. Beloyarsk AES	56-49	61-21	300	300	300	300	300	300	300	300	300
2. Bogoslavsk TETS	59-47	60-11	292	292	292	292	292	292	292	292	292
3. Kachkanar TETS	58-42	59-30	100	100	100	100	100	100	100	100	100
4. Krasnogorsk TETS	56-22	61-59	314	314	314	314	314	314	314	314	314
5. Nizhny Tagil Kaganovitch TETS	57-56	60-06	100	100	100	100	100	100	100	100	100
6. Nizhny Tagil Metal. TETS	57-55	60-01	112	112	112	112	112	112	112	112	112
7. Nizhnyaya Tura GRES	58-37	59-52	530	530	530	530	530	530	530	530	530
8. Pervouralsk TETS	56-53	59-58	24	24	24	24	24	24	24	24	24
9. Reft GRES	57-06	61-43	300	900	1,200	1,200	1,200	1,200	1,200	1,200	1,200
10. Serov TSES	59-35	60-36	60	60	60	60	60	60	60	60	60
11. Serov GRES	59-37	60-47	600	600	600	600	600	600	600	600	600
12. Sredne Uralsk GRES	57-00	60-28	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360
13. Sverdlovsk Uralmash TETS	56-52	60-36	28	28	28	28	28	28	28	28	28
14. Sverdlovsk TETS 2	56-53	60-45	-	-	-	-	-	-	-	-	-
15. Verkhne Tagil GRES	57-21	59-56	1,625	1,625	1,625	1,625	1,625	1,625	1,625	1,625	1,625
16. Yegorshino GRES	57-20	61-54	46	46	46	46	46	46	46	46	46
Total in Plants ≥4 Mw and over			<u>5,791</u>	<u>6,391</u>	<u>6,691</u>	<u>6,691</u>	<u>6,691</u>	<u>6,691</u>	<u>6,691</u>	<u>7,391</u>	

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VIII. Urals Region	Coordinates		Estimated Capacity at End of Year (Mw)									
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
E. Udmurt Oblast												
1. Glazov TES	58-09	52-40	70	70	70	70	70	70	70	70	70	70
2. Izhevsk TES	56-51	53-10	48	48	48	48	48	48	48	48	48	48
3. Sarapul GES	56-29	53-48	24	24	24	24	24	24	24	24	24	24
4. Votkinsk GES	56-47	54-05	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
5. Votkinsk TES	57-03	53-59	24	24	24	24	24	24	24	24	24	24
Total in Plants 2 ⁴ Mw and over												
			1,166	1,166	1,166	1,166	1,166	1,166	1,166	1,166	1,166	1,166

E. Kurgan Oblast	1. Kurgan TES	55-26	65-20	275	275	275	275	275	275	275	275	275

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IX. West Siberia Economic Region	Estimated Capacity at End of Year (MW)					
	1970	1971	1972	1973	1974	1975
<u>Summary</u>						
A. Kemerovo Oblast	4,266	4,266	4,366	4,366	4,466	4,466
B. Altai Krai	633	633	633	633	633	633
C. Novosibirsk Oblast	1,561	1,561	1,761	2,061	2,161	2,161
D. Omsk Oblast	792	892	992	992	992	1,092
E. Tomsk Oblast	974	974	974	974	974	974
F. Tyumen Oblast	359	474	674	1,074	1,274	1,674
Total in Plants						
24 MW and Over*	9,576	9,800	10,400	11,100	11,500	12,000
Small Plants	2,424	2,170	2,195	2,195	2,185	2,175
Total -- West Siberia Economic Region	<u>12,000</u>	<u>11,970</u>	<u>13,595</u>	<u>13,295</u>	<u>13,685</u>	<u>14,175</u>

* Includes 1,000 MW at the Siberian nuclear powerplant, located somewhere in West Siberia.

	IX. West Siberia Economic Region		Coordinates		Estimated Capacity at End of Year (Mw)							
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1980
A. Kemerovo Oblast												
1. Belovo GRES	54-26	86-25	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
2. Kemerovo GRES	55-24	85-59	190	190	190	190	190	190	190	190	190	190
3. Kemerovo TETS	55-22	86-04	144	144	144	144	144	144	144	144	144	144
4. Ruznets TETS	53-46	87-15	253	253	253	253	253	253	253	253	253	253
5. Ruznets Metal. Comb TETS	53-46	87-05	132	132	132	132	132	132	132	132	132	132
6. Novo Kemerovo TETS	55-21	85-59	310	310	310	310	310	310	310	310	310	310
7. Tom Utsinsk GRES	53-40	87-49	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300
8. W. Sib. Metal. Comb TETS	53-54	87-15	160	160	160	160	160	160	160	160	160	160
9. Yurga TETS	55-42	84-51	30	30	30	30	30	30	30	30	30	30
10. Yuzhno Kuzbass GRES	53-31	87-16	547	547	547	547	547	547	547	547	547	547
Total in Plants												
24 Mw and over			<u>4,266</u>	<u>4,266</u>	<u>4,366</u>	<u>4,366</u>	<u>4,466</u>	<u>4,466</u>	<u>4,466</u>	<u>4,466</u>	<u>4,466</u>	<u>4,466</u>

IX. West Siberia Economic Region

B. <u>Altai Krai</u>	Coordinates		Estimated Capacity at End of Year (MW)				
	N	E	1970	1971	1972	1973	1974
1. Barnaul TETS 2	53-22	83-46	370	370	370	370	370
2. Shorsk TETS	52-31	85-10	230	230	230	230	230
3. Rubtsovsk TETS	51-32	81-12	33	33	33	33	33
Total in Plants 24 MW and over			<u>633</u>	<u>633</u>	<u>633</u>	<u>633</u>	<u>633</u>

C. Novosibirsk Oblast

B. <u>Novosibirsk Oblast</u>	Coordinates		Estimated Capacity at End of Year (MW)				
	N	E	1970	1971	1972	1973	1974
1. Barabinsk GES	55-27	78-22	200	200	200	200	200
2. Novosibirsk GES	54-51	83-00	424	424	424	424	424
3. Novosibirsk TETS 2	55-00	82-52	325	325	325	325	325
4. Novosibirsk TETS 3	55-00	82-50	260	200	400	700	800
5. Novosibirsk TETS 4	55-06	82-59	412	412	412	412	412
Total in Plants 24 MW and over			<u>1,561</u>	<u>1,561</u>	<u>1,761</u>	<u>2,061</u>	<u>2,161</u>

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IX. West Siberia Economic Region		Coordinates		Estimated Capacity at End of Year (Mw)				
		N	E	1970	1971	1972	1973	1974
D. Omsk Oblast								
1. Omsk TERS 2	54-56	73-24	90	90	90	90	90	90
2. Omsk TERS 3	55-04	73-16	452	452	452	452	452	452
3. Omsk TERS 4	55-06	82-59	250	350	450	450	450	550
4. Omsk TERS 5			-	-	-	-	-	-
Total in Plants 24 Mw and over			<u>792</u>	<u>892</u>	<u>992</u>	<u>992</u>	<u>992</u>	<u>1,092</u>
E. Tomsk Oblast								
1. Tomsk North	56-37	84-48	650	650	650	650	650	650
2. Tomsk GRES 2	56-28	84-60	324	324	324	324	324	324
Total in Plants 24 Mw and over			<u>974</u>	<u>974</u>	<u>974</u>	<u>974</u>	<u>974</u>	<u>974</u>
F. Tyumen Oblast								
1. Surgut TERS	61-14	73-20	-	-	2*	24	24	24
2. Surgut GRES	61-14	73-20	-	-	200	600	800	1,200
3. Tyumen TERS	57-09	65-36	350	450	450	450	450	450
Total in Plants 24 Mw and over			<u>350</u>	<u>474</u>	<u>674</u>	<u>1,074</u>	<u>1,274</u>	<u>1,674</u>

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X. Central Asia Economic Region	Estimated Capacity at End of Year (M ²)					
	1970	1971	1972	1973	1974	1975
<u>Summary</u>						
A. Kazakh SSR	8,760	9,155	9,301	9,814	10,630	11,200
B. Uzbek SSR	4,742	5,200	5,637	5,935	6,345	6,640
C. Kirgiz SSR	952	935	1,015	1,015	1,015	2,210
D. Tadzhik SSR	852	842	1,502	1,800	1,800	1,800
E. Turkmen SSR	682	563	660	1,051	1,051	1,245
Total	15,988	16,795	18,115	19,615	20,841	23,095

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X. Central Asia Economic Region	Coordinates		Estimated Capacity at End of Year (MM)										
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
<u>A. Kazakh SSR</u>													
1. Aktubinsk Ferro TENS	50-20	57-09	146	146	146	146	146	146	146	146	146	146	146
2. Alma Ata TENS 1	43-13	76-56	137	197	197	197	197	197	197	197	197	197	197
3. Alma Ata TENS 2			-	-	-	-	-	-	-	-	-	-	-
4. Alma Ata GRES	43-26	77-00	200	200	200	200	200	200	200	200	200	200	200
5. Arkalyk TETS	50-13	66-50	50	50	50	50	50	50	50	50	50	50	50
6. Atasayskaya TETS	48-33	71-35	25	25	25	25	25	25	25	25	25	25	25
7. Balkhash TENS	46-50	74-58	160	160	160	160	160	160	160	160	160	160	160
8. Bukhtarma GES	49-36	83-32	675	675	675	675	675	675	675	675	675	675	675
9. Chardarinsk GES	41-17	67-55	100	100	100	100	100	100	100	100	100	100	100
10. Dzhambul GRES	42-51	71-29	600	600	600	600	600	600	600	600	600	600	600
11. Dzhambul TETS 4	42-54	71-23	50	50	50	50	50	50	50	50	50	50	50
12. Dzhezказган TETS	47-47	67-44	260	260	260	260	260	260	260	260	260	260	260
13. Ekipastuz TETS	51-40	75-22	18	18	24	24	24	24	24	30	36	36	36
14. Gurayev TENS	47-06	51-57	99	99	99	99	99	99	99	99	159	159	159
15. Kapchagay GES	43-55	77-53	217	434	434	434	434	434	434	434	434	434	434
16. Karganda GRES 1	50-05	72-55	243	243	243	243	243	243	243	243	243	243	243
17. Karganda GRES 2	49-31	72-49	700	700	700	700	700	700	700	700	700	700	700
18. Karganda TENS 1	49-50	73-46	36	36	36	36	36	36	36	36	36	36	36
19. Karganda Metal. TENS	50-03	73-02	150	150	150	150	150	150	150	150	150	150	150

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A. Kazakhstan SSR	X. Central Asia Economic Region		Coordinates				Estimated Capacity at End of Year (M)					
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
20. Karaganda Metal. TETs 2	50-03	73-02	-	-	-	-	100	200	200	250		
21. Kentau TETs	43-31	68-34	48	48	48	48	48	48	48	48		
22. Kzyl-Orda TETs	44-52	65-27	74	74	74	74	74	124	124	124		
23. Leninogorsk TETs 2	50-21	83-29	100	100	100	100	100	100	100	100		
24. Pavlodar TETs 1	52-18	76-56	270	270	270	270	270	270	270	270		
25. Pavlodar TETs 2	52-17	76-58	200	200	200	200	200	200	200	200		
26. Pavlodar TETs 3	52-17	76-57	-	-	120	120	170	170	170	170		
27. Petropavlovsk TETs 1	54-55	69-10	100	100	100	100	100	100	100	100		
28. Petropavlovsk TETs 2	54-55	69-12	470	470	470	470	470	470	470	470		
29. Rurdy TETs	52-57	63-07	100	100	100	100	100	100	100	100		
30. Soginsk TETs	50-00	82-40	100	100	100	100	100	100	100	100		
31. Tselinograd TETs 1	51-10	71-30	24	30	36	36	36	36	36	36		
32. Tselinograd TETs 2	51-10	71-30	-	-	-	-	-	-	-	-		
33. Ulbinsk GES	50-12	83-33	28	28	28	28	28	28	28	28		
34. Uralsk TETs	51-14	51-22	36	36	36	36	36	36	36	36		
35. Ust Kamenogorsk GES	49-54	82-44	331	331	331	331	331	331	331	331		

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A. <u>Kazakh SSR</u>	Central Asia Economic Region		Estimated Capacity at End of Year (Mw)										
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
36. Ust Kamenogorsk TENS	49-56	82-36	275	275	275	275	275	275	275	275	275	275	275
37. Yemakov GRES	52-07	76-52	900	1,200	1,200	1,500	1,500	2,100	2,400				
Total in Plants 24 Mw and over			6,922	7,505	7,637	8,093	8,909	9,509					
Small Plants			1,838	1,650	1,664	1,721	1,721	1,691					
Total — Kazakh SSR			<u>8,760</u>	<u>9,155</u>	<u>9,301</u>	<u>9,814</u>	<u>10,630</u>	<u>11,200</u>					

X. Central Asia Economic Region	Coordinates		Estimated Capacity at End of Year (Mw)									
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1980
B. Uzbek SSR												
1. Akkarakskaya GES	41-27	69-33	35	35	35	35	35	35	35	35	35	35
2. Alralyk TETS	40-49	69-38	24	24	24	24	24	24	24	24	24	24
3. Angren GRES	41-00	70-08	600	600	600	600	600	600	600	600	600	600
4. Charvak GES	41-37	69-58	150	450	600	600	600	600	600	600	600	600
5. Chirchik GES	41-30	69-37	84	84	84	84	84	84	84	84	84	84
6. Farkhad GES	40-13	69-09	126	126	126	126	126	126	126	126	126	126
7. Fergana TETS	40-27	71-48	230	230	230	230	230	230	230	230	230	230
8. Khodzhikent GES			-	-	-	-	-	-	-	-	-	-
9. Kivasay GRES	40-17	72-00	36	36	36	36	36	36	36	36	36	36
10. Navoi GRES	40-09	65-21	770	830	830	830	830	830	830	830	830	830
11. Syrdarinsk GRES	40-13	69-06	-	-	-	300	600	900	1,200			
12. Tashkia Tash GRES	42-21	59-35	258	258	258	258	258	258	258	368	368	368
13. Tashkent TETS	41-16	69-15	68	68	68	68	68	68	68	68	68	68
14. Tashkent GRES	41-23	69-22	1,760	1,920	1,920	1,920	1,920	1,920	1,920	1,920	1,920	1,920
15. Tavakkalya GES	41-34	69-40	72	72	72	72	72	72	72	72	72	72
Total in Plants 24 Mw and over			4,213	4,733	5,183	5,483	5,893	6,193				
Small Plants			529	467	454	452	452	452	447			
Total — Uzbek SSR			<u>4,742</u>	<u>5,200</u>	<u>5,37</u>	<u>5,935</u>	<u>6,345</u>	<u>6,640</u>				

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X. Central Asia Economic Region	Coordinates						Estimated Capacity at End of Year (MW)							
	N		E		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
C. Kirgiz SSR														
1. At-Bashirsk GES	41-22	75-38	40	40	40	40	40	40	40	40	40	40	40	40
2. Frunze TETS	42-52	74-44	460	460	520	520	520	520	520	520	520	520	520	520
3. Osh TETS	40-32	72-48	50	50	50	50	50	50	50	50	50	50	50	50
4. Tok Togul GES	41-45	72-45	-	-	-	-	-	-	-	-	-	-	1,200	
5. Uch Kurgan GES	41-11	72-10	180	180	180	180	180	180	180	180	180	180	180	180
Total in Plants 24 MW and over			730	730	790	790	790	790	790	790	790	790	790	1,990
Small Plants			222	205	225	225	225	225	225	225	225	225	225	225
Total — Kirgiz SSR			952	935	1,015	1,015	1,015	1,015	1,015	1,015	1,015	1,015	1,015	2,210
D. Tadzhik SSR														
1. Dushanbe TETS	38-33	68-47	226	226	226	226	226	226	226	226	226	226	226	226
2. Golovnaya GES	38-02	69-03	210	210	210	210	210	210	210	210	210	210	210	210
3. Kairak Kun GES	40-17	69-49	126	126	126	126	126	126	126	126	126	126	126	126
4. Nurek GES	38-13	69-25	-	-	-	-	-	-	-	600	900	900	900	900
5. Perekopnaya GES	37-43	68-47	30	30	30	30	30	30	30	30	30	30	30	30
6. Yavan TETS	38-19	69-02	120	120	180	180	180	180	180	180	180	180	180	180
Total in Plants 24 MW and over			712	712	1,372	1,372	1,372	1,372	1,372	1,372	1,372	1,372	1,372	1,672
Small Plants			140	130	130	130	130	130	130	130	130	130	130	128
Total — Tadzhik SSR			852	842	1,502	1,502	1,502	1,502	1,502	1,502	1,502	1,502	1,502	1,800

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E.	Turkmen SSR	Central Asia Economic Region		Estimated Capacity at End of Year (MW)							
		N	E	1970	1971	1972	1973	1974	1975	1976	1977
1.	Bezmen GRES	38-03	58-11	174	174	174	174	174	174	174	174
2.	Chardzhou TETS	39-06	63-34	36	36	36	36	36	36	36	36
3.	Krasnovodsk TETS 1	40-01	52-57	35	35	35	35	35	35	35	35
4.	Krasnovodsk TETS 2	40-00	53-00	170	170	170	170	170	170	170	170
5.	Mary GRES	37-34	61-45	-	-	-	-	400	400	400	400
6.	Nabit Dag GRES	39-30	54-22	48	48	48	48	48	48	48	48
Total in Plants											
24 MW and over				463	463	463	463	463	463	463	463
Small Plants				219	200	197	197	188	188	188	182
Total —											
Turkmen SSR				<u>682</u>	<u>663</u>	<u>660</u>	<u>1,051</u>	<u>1,051</u>	<u>1,051</u>	<u>1,245</u>	

XI. East Siberia Economic Region		Estimated Capacity at End of Year (MW)									
		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
<u>Summary</u>											
A. Irkutsk Oblast	7,094	7,194	7,244	7,344	8,114	9,124					
B. Krasnoyarsk Oblast	8,475	9,601	9,890	9,990	9,990	10,090					
C. Buryat ASSR	197	197	197	222	247	447					
D. Chita Oblast	464	464	564	664	664	664					
Total in Plants											
24 MW and over	16,230	17,456	17,895	18,220	19,015	20,325					
Small Plants	1,270	934	945	945	935	925					
Total --											
East Siberia Economic Region	17,500	18,390	18,840	19,165	19,950	21,250					

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XI. East Siberia Economic Region

A. Irkutsk Oblast	Coordinates		Estimated Capacity at End of Year (MW)									
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
1. Baikalsk TETS	51-31	104-05	50	50	50	50	50	50	50	50	50	50
2. Bratsk TETS	56-00	101-00	100	100	150	200	200	200	200	200	200	200
3. Bratsk GES	56-18	101-47	4,100	4,100	4,100	4,100	4,100	4,100	4,100	4,100	4,100	4,100
4. Irkutsk GES	52-14	104-19	662	662	662	667	667	667	667	667	667	667
5. Irkutsk TETS 1	52-34	103-56	300	300	300	300	300	300	300	300	300	300
6. Irkutsk TETS 2	52-17	104-16	78	78	78	78	78	78	78	78	78	78
7. Irkutsk TETS 9 Ref.	52-13	103-54	300	300	300	300	300	300	300	300	300	300
8. Irkutsk TETS 10	52-30	103-55	1,180	1,180	1,180	1,180	1,180	1,180	1,180	1,180	1,180	1,180
9. Irkutsk TETS 11 Chem Comb.	52-45	103-40	250	350	350	350	350	350	350	350	350	350
10. Irkutsk GES	52-30	103-56	50	50	50	50	50	50	50	50	50	50
11. Korsunovo TETS	56-34	104-09	24	24	24	24	24	24	24	24	24	24
12. Novo Irkutsk TETS	52-17	104-14	-	-	-	-	-	-	-	-	-	-
13. Ust Ilimsk GES	57-42	102-35	-	-	-	-	-	-	-	-	-	-
14. Ust Ilimsk TETS	57-42	102-35	-	-	-	-	-	-	-	-	-	-
Total in Plants 24 MW and over			7,094	7,194	7,244	7,344	8,114	9,124				

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B. Krasnoyarsk Kray	Coordinates		Estimated Capacity at End of Year (Mw)								
	N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978
1. Abakan TETS			-	-	-	-	-	-	-	-	-
2. Achinsk TETS	56-17	90-30	100	100	100	100	100	100	100	100	100
3. Khantyka GES	68-33	87-33	126	252	441	441	441	441	441	441	441
4. Krasnoyarsk TETS 1	56-02	93-03	434	434	434	534	534	534	534	534	634
5. Krasnoyarsk TETS 2			-	-	-	-	-	-	-	-	-
6. Krasnoyarsk GRES 2	56-09	94-29	660	660	660	660	660	660	660	660	660
7. Krasnoyarsk GES	56-19	93-36	5,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
8. Mayna TETS	53-02	91-25	30	30	30	30	30	30	30	30	30
9. Nazarovo GRES	56-02	90-20	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400
10. Norilsk TETS 1	69-22	88-11	525	525	525	525	525	525	525	525	525
11. Norilsk TETS 2 Talnakh	69-21	88-05	200	200	300	300	300	300	300	300	300
Total in Plants 24 Mw and over			8,475	9,601	9,890	9,990	9,990	9,990	9,990	9,990	10,090

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XI. East Siberia Economic Region		Estimated Capacity at End of Year (MW)										
Coordinates		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
		N	E									
C. Buryat ASSR												
1. Bayangol TETS	50-44	103-27	25	25	25	25	25	25	25	25		
2. Gusinovetsk GRES	51-18	106-28	-	-	-	-	-	-	-	200		
3. Ulan Ude TETS	51-50	107-37	172	172	172	197	222	222	222			
Total in Plants 24 MW and over			<u>197</u>	<u>197</u>	<u>197</u>	<u>197</u>	<u>222</u>	<u>247</u>	<u>247</u>			
D. Chita Oblast												
1. Chita TETS	52-01	113-31	26	26	26	26	26	26	26	26		
2. Chita GRES	52-02	113-25	320	320	420	520	520	520	520	520		
3. Kholbun TETS	51-53	116-15	25	25	25	25	25	25	25	25		
4. Nerkhinsk-Tsunkhaytau TETS	50-24	119-06	36	36	36	36	36	36	36	36		
5. Petrovsk-Zabaykalsk TETS	51-18	108-51	32	32	32	32	32	32	32	32		
6. Sharlivaya Gora TETS	50-39	116-19	25	25	25	25	25	25	25	25		
Total in Plants 24 MW and over			<u>54</u>	<u>54</u>	<u>54</u>	<u>54</u>	<u>64</u>	<u>64</u>	<u>64</u>	<u>64</u>		

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XII. Far East Economic Region		Estimated Capacity at End of Year (Mw)									
		1970	1971	1972	1973	1974	1975	1976	1977	1978	1980
<u>Summary</u>											
A.	Amur Oblast	268	268	268	268	268	268	268	268	268	748
B.	Kamchatska Oblast	48	48	48	48	48	48	48	48	48	48
C.	Khabarovsk Kray	749	749	923	959	984	984	996	996	996	996
D.	Magadan Oblast	159	159	159	171	213	213	355	355	355	355
E.	Primorskiy Kray	1,076	1,076	1,126	1,126	1,226	1,226	1,326	1,326	1,326	1,326
F.	Sakhalin Oblast	188	328	378	378	378	378	403	403	403	403
G.	Yakutsk ASSR	512	537	562	562	562	562	642	642	642	642
Total in Plants 24 MW and over		3,000	3,165	3,464	3,512	3,679	3,679	4,518	4,518	4,518	4,518
Small Plants		1,500	1,425	1,436	1,458	1,461	1,461	1,457	1,457	1,457	1,457
Total --											
Far East Economic Region		4,500	4,590	4,900	4,970	5,140	5,140	5,975	5,975	5,975	5,975

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XII. Far East Economic Region		Coordinates		Estimated Capacity at End of Year (Mw)										
		N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
A. Amur Oblast														
1. Blagoveschensk TETS	50-16	127-32		-	-	-	-	-	-	-	-	-	56	
2. Rychikhinsk TETS	49-47	129-26	268	268	268	268	268	268	268	268	268	268	268	
3. Zeya GES	53-49	127-20	-	-	-	-	-	-	-	-	-	-	430	
Total in Plants 24 Mw and over			268	268	268	268	268	268	268	268	268	268	268	
B. Kamchatka Oblast														
1. Petropavlovsk TETS	53-01	158-39	48	48	48	48	48	48	48	48	48	48	48	
C. Khabarovsk Krai														
1. Amursk TETS 1	50-17	136-50	100	100	100	100	100	100	100	100	100	100	100	125
2. Amursk TETS 2	50-17	136-50	-	-	-	-	-	-	-	-	-	-	-	26
3. Khabarovsk TETS 1	49-25	135-07	375	375	375	375	375	375	375	375	375	375	375	475
4. Komsomolsk TETS 1	50-34	136-58	100	100	100	100	100	100	100	100	100	100	100	100
5. Komsomolsk TETS 2	50-33	137-02	174	174	174	174	174	174	174	174	174	174	174	224
6. Nikolayevsk TETS	53-08	140-44	-	-	-	-	-	-	-	-	-	-	-	36
Total in Plants 24 Mw and over			749	749	749	749	749	749	749	749	749	749	749	996

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XII. Far East Economic Region		Estimated Capacity at End of Year (Mw)												
		Coordinates		1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
		N	E											
D. <u>Magadan Oblast</u>														
1. Arkagala GRES	63-00	147-50	95	95	95	95	95	95	95	95	95	95	95	95
2. Bilibino AES	68-02	166-32	-	-	-	-	-	12	24	24	36			
3. Chavun Power Station	69-42	170-18	32	32	32	32	32	32	32	32	32			
4. Magadan TEIS	59-34	150-48	32	32	32	32	32	32	62	62	92			
Total in Plants			<u>159</u>	<u>159</u>	<u>159</u>	<u>159</u>	<u>171</u>	<u>213</u>	<u>213</u>	<u>213</u>	<u>355</u>			
24 Mw and over														
E. <u>Primorskiy Krai</u>														
1. Artem GRES	43-22	132-18	597	597	597	597	597	597	597	597	597	597	597	597
2. Primorskiy GRES	46-28	134-15	-	-	-	-	-	-	-	-	100	200		
3. Sovetskaya Gavan TEIS	49-0 ²	140-14	42	42	42	42	42	42	42	42	42	42	42	42
4. Spassk Dalnny TEIS	44-34	132-47	30	30	30	30	30	30	30	30	30	30	30	30
5. Suchan GRES	43-07	133-07	207	207	207	207	207	207	207	207	207	207	207	207
6. Vladivostok TEIS	43-08	131-54	200	200	200	200	200	200	250	250	250	250	250	250
Total in Plants			<u>1,076</u>	<u>1,076</u>	<u>1,076</u>	<u>1,076</u>	<u>1,126</u>	<u>1,126</u>	<u>1,226</u>	<u>1,226</u>	<u>1,326</u>			
24 Mw and over														

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XII. Far East Economic Region		Coordinates		Estimated Capacity at End of Year (Mw)										
		N	E	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
F. Sakhalin Oblast														
1. Osta TETS	53-34	142-56		38	78	78	78	78	78	78	78			
2. Yuzhno Sakhalinsk GRES	49-00	142-58		150	250	300	300	300	300	300	300			
3. Yuzhno Sakhalinsk TETS	49-01	142-59		-	-	-	-	-	-	-	-	25		
Total in Plants 24 Mw and over				<u>188</u>	<u>328</u>	<u>378</u>	<u>378</u>	<u>378</u>	<u>378</u>	<u>378</u>	<u>378</u>	<u>403</u>		
G. Yakutsk ASSR														
1. Chulman TETS	56-52	124-52		36	36	36	36	36	36	36	36	36		
2. Mamakan GES	57-49	114-03		86	86	86	86	86	86	86	86	86		
3. Mikhituya Diesel	60-43	114-55		20	20	20	20	20	20	20	20	20		
4. Vilyuy GES	63-05	113-30		320	320	320	320	320	320	320	320	400		
5. Yakutsk GRES	62-00	129-40		50	75	100	100	100	100	100	100	100		
Total in Plants 24 Mw and over				<u>512</u>	<u>537</u>	<u>562</u>	<u>562</u>	<u>562</u>	<u>562</u>	<u>562</u>	<u>562</u>	<u>642</u>		

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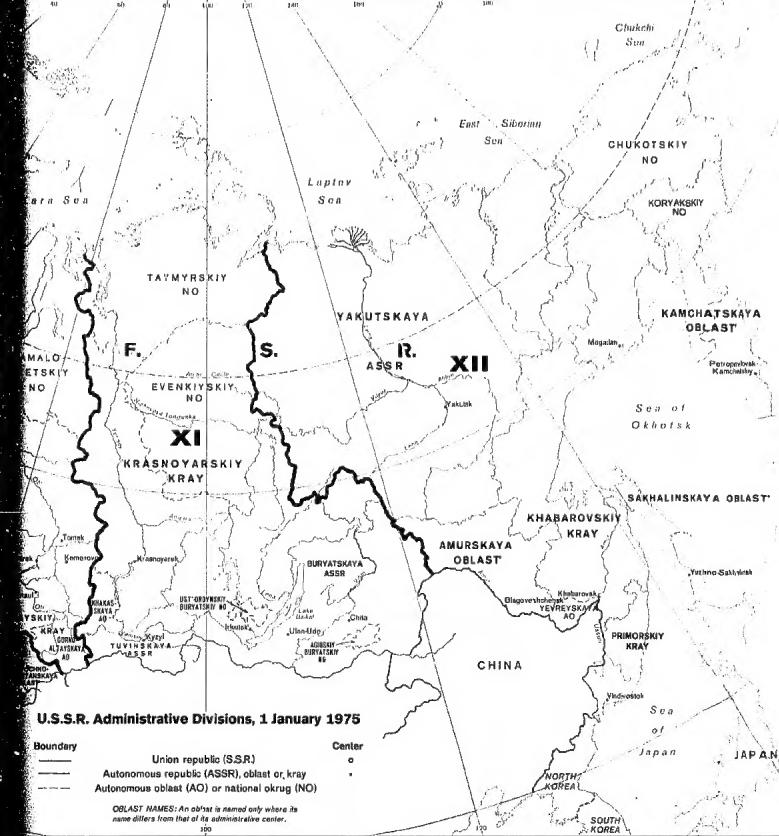
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